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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Scott H. Brown & Tin-Tack Peter Cheung

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Serial No.: 09/196,347

Group Art Unit: 1621

APR 23 1999

Filed: November 19, 1998

Examiner: ---

**MATRIX CUSTOMER
SERVICE CENTER**

For: HYDROGENATION CATALYSTS AND PROCESSES THEREWITH

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

APR 15 1999

Sir:

GROUP 1700
MAR 25 1999

GROUP 1800

The Applicants call to the Examiner's attention the following
references, copies of which are attached.

GB 1,018,661 discloses a process for the hydrogenation of
organic hydroperoxides, particularly to the selective hydrogenation of organic
hydroperoxides in the presence of other organic compounds.

U.S. 4,337,329 discloses a process which comprises catalytically
hydrogenating the carbon-carbon double bonds of a conjugated diene polymer,
the improvement which comprises using a catalyst composed of a porous
powdery or granular carrier and supported thereon both Pd and at least one metal
selected from the group consisting of the metals of Groups IA, IIA, IIIA, IIIB,
IVA, VA and VIA of the periodic table, Ge and Sb.

U.S. 4,504,593 discloses the selective hydrogenation of a hydrocarbon charge containing at least one acetylenic and/or diolefinic hydrocarbon using a catalyst composition.

U.S. 5,583,274 (and division U.S. 5,585,318) discloses the hydrogenation of C_2-C_6 alkynes (preferably acetylene) contained in feeds which also contain sulfur impurities to the corresponding alkenes in the presence of a supported palladium catalyst which has been promoted with alkali metal fluoride (preferably potassium fluoride).

U.S. 5,587,348 (and division U.S. 5,698,752) discloses a catalyst composition which comprises palladium, at least one chemically bound alkali metal (preferably potassium), chemically bound fluorine and an inorganic support material (preferably alumina), wherein the atomic ratio of fluorine to alkali metals is about 1.3:1 to about 4:1. Preferably, silver is also present in the catalyst composition. The above-described catalyst is employed as a catalyst in the selective hydrogenation of C_2-C_{10} alkynes (preferably acetylene) to the corresponding alkenes in the presence of sulfur impurities.

The above-cited references are listed on the attached PTO-1449 form which is incorporated herein by reference.

Also attached herewith are copies of the European Search Report and Annex to the European Search Report from a counterpart foreign

application. The references cited in the European Search Report are included among the references cited above and on the attached PTO-1449 form with the exception of U.S. Patent 4,484,015 which has already been previously disclosed.

Applicants also call to the Examiner's attention the following pending application.

Application serial no. 08/740,527 filed on October 30, 1996.

Respectfully submitted

RICHMOND, HITCHCOCK,
FISH & DOLLAR

By Reece A. Scott
Reece A. Scott
Registration No. 41,297

RICHMOND, HITCHCOCK,
FISH & DOLLAR
P.O. Box 2443
Bartlesville, Oklahoma 74005
1-918-661-1495

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on

March 18, 1999

(Date)

Reece A. Scott

Reece A. Scott